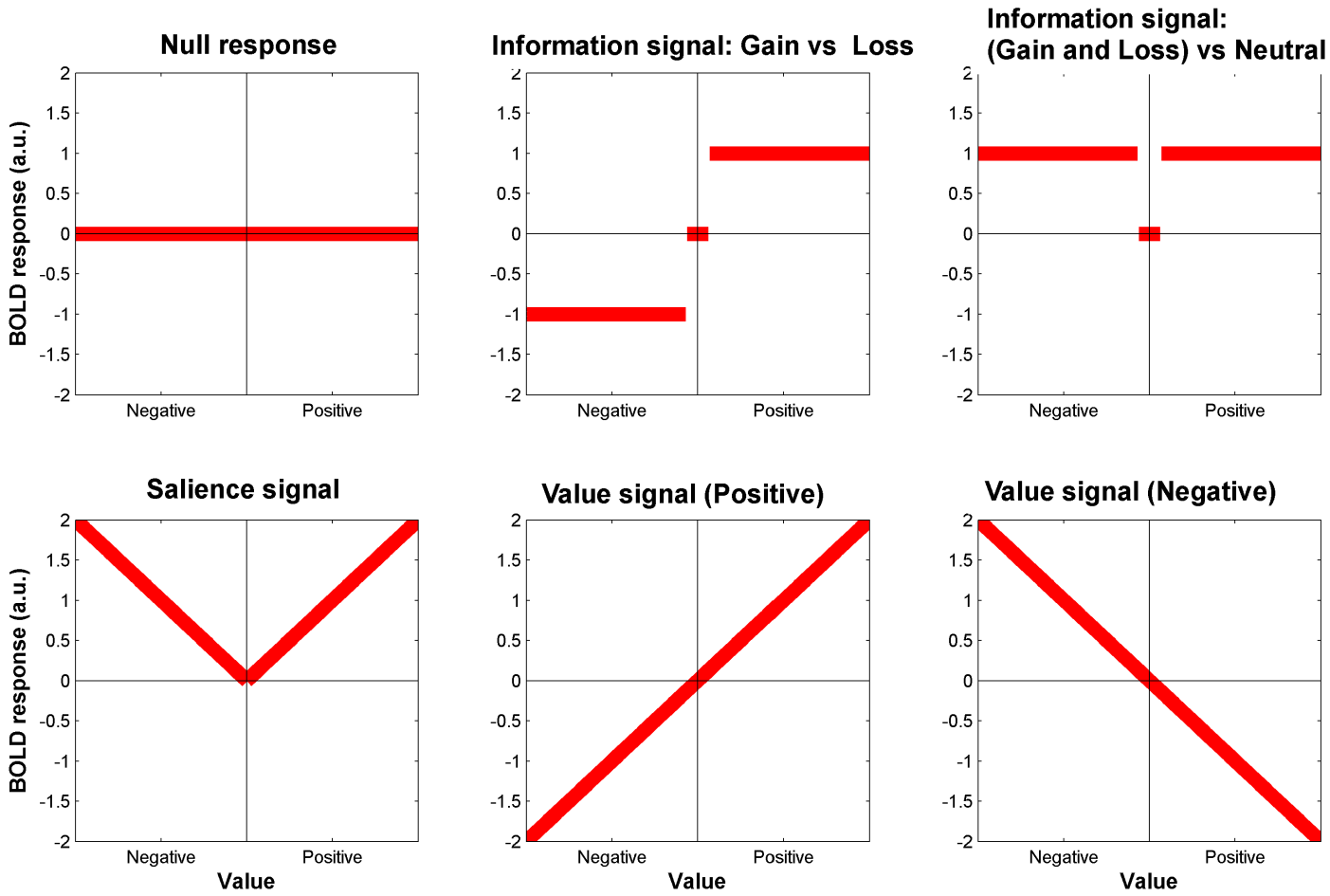

Figure S1. Schematic illustrating informational signals, salience and value- signals in the context of the present task. Informational signals (upper row) ignore outcome magnitudes whereas salience and value-signals (lower row) show changes in activity as a function of changes in outcome magnitude.

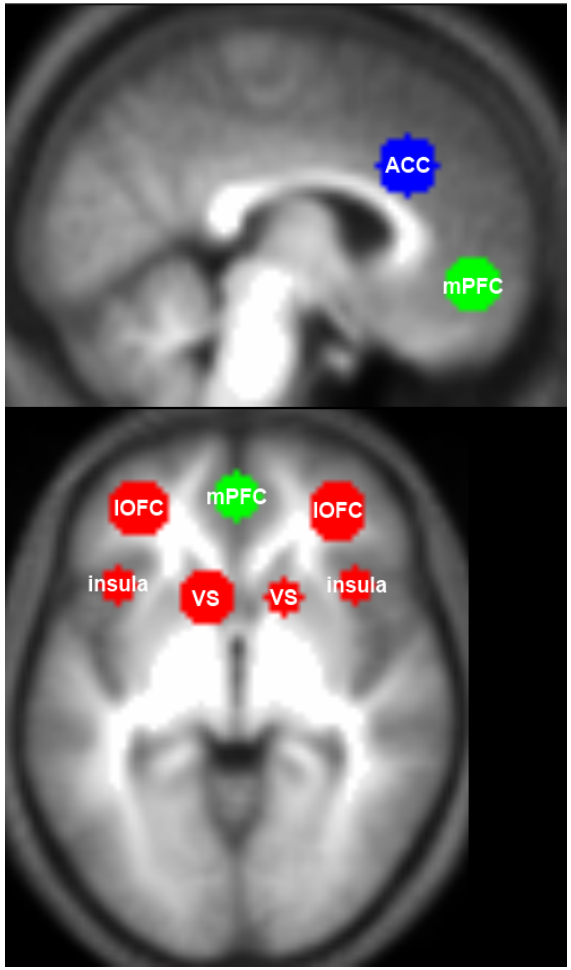

Figure S2. Schematic indicating the location of each ROI used to correct for small volume in each of our a-priori areas of interest, shown overlaid on the subject averaged structural scan in MNI space.. Sagittal (upper) and axial (lower) slices at X=5 and Y=12 showing Anterior cingulate (ACC) in blue, medial prefrontal cortex (mPFC) in green, and lateral orbitofrontal cortex (lOFC), insula, and ventral striatum (VS) are all shown in red. These colors are used throughout the paper to indicate results for the respective region (e.g., all results involving medial prefrontal cortex are displayed in green).

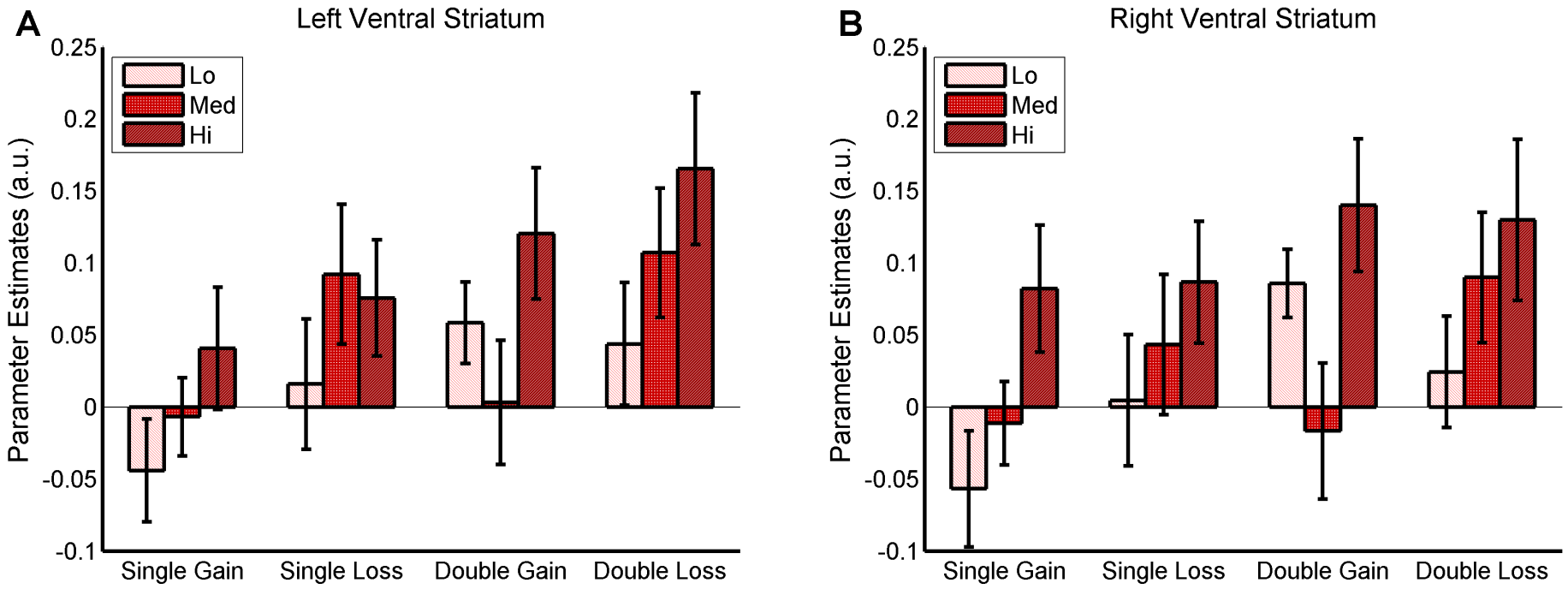

Figure S3. Plot of activity in the ventral striatum showing significant value-related signals to gains and losses at the time of outcome, indicative of a "salience" type response. The displayed parameter estimates are binned into three bins according to value (low, medium and high). Activity in this area increases as both gains or losses become more extreme. (A) Parameter estimates for left ventral striatum. (B) Parameter estimates for right ventral striatum. Lo=low outcome magnitude; Med=medium outcome magnitude; Hi=high outcome magnitude. The data is from suprathreshold voxels extracted from the voxel-wise analysis and therefore does not represent an independent analysis

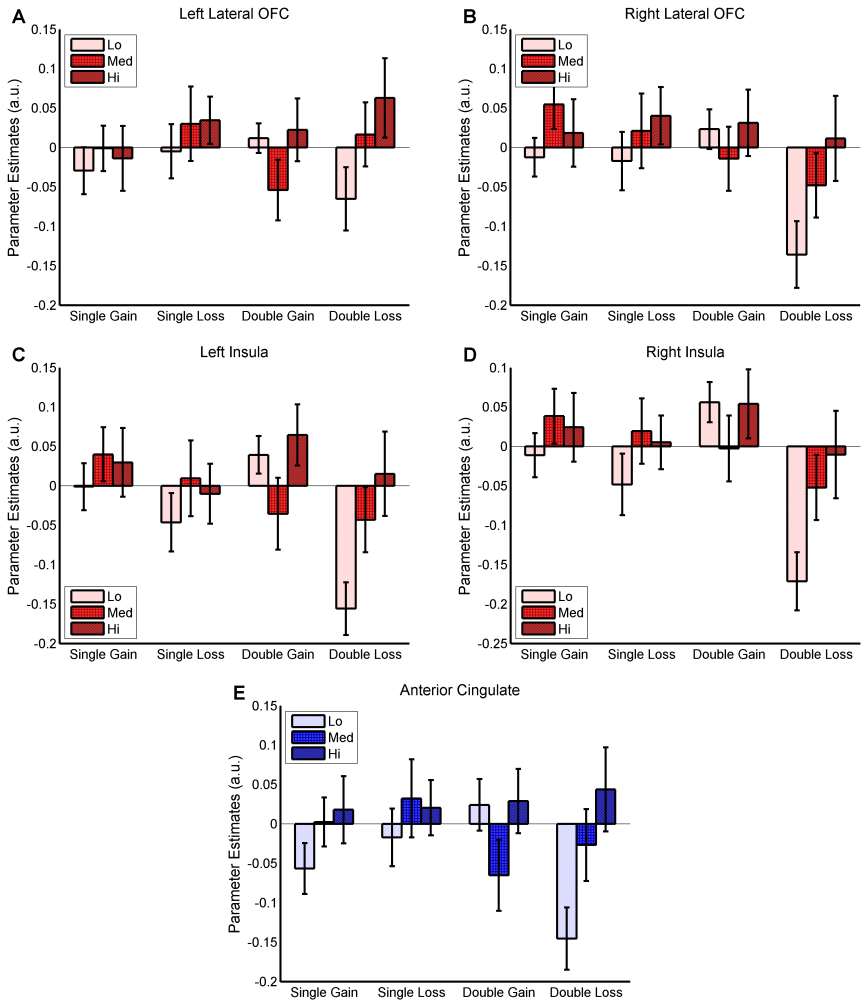

Figure S4. Parametric modulations from regions showing significant value-related signals to losses at the time of outcome. Activity in these areas increase as losses become more extreme. The displayed parameter estimates are binned into three bins according to value (low, medium and high). (A) Parameter estimates for left lateral orbitofrontal cortex. (B) Parameter estimates for right lateral orbitofrontal cortex. (C) Parameter estimates for left insula. (D) Parameter estimates for right insula. (E) Parameter estimates for anterior cingulate cortex. Lo=low outcome magnitude; Med=medium outcome magnitude; Hi=high outcome magnitude. The data is from suprathreshold voxels extracted from the voxel-wise analysis and therefore does not represent an independent analysis.